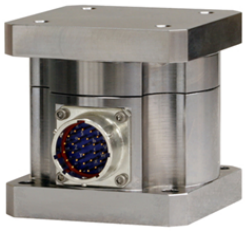
MC3-SSUDW-100 SPECIFICATIONS



AMTI's MC3-SSUDW is a six-component force sensor that features a stainless steel body and an oil-filled pressure compensation bladder to enable short-term (<24 hours) continuous submersion in fresh water.

Units: Metric **Capacity:** 100

Dimensions (WxLxH)	76 x 76 x 76.2 mm		
Weight	0.909 Kg.	**Sensing elements**	Strain gage bridge
Channels	Fx, Fy, Fz, Mx, My, Mz	**Amplifier**	Required
Top plate material	Stainess Steel	**Analog outputs**	6 Channels
Temperature range	-17.78 to 51.67°C	**Digital outputs**	None
Excitation	10V maximum	**Crosstalk**	< 2% on all channels
Fx, Fy, Fz hysteresis	± 0.2% full scale output	**Fx, Fy, Fz non-linearity**	± 0.2% full scale output

Channel	Fx	Fy	Fz	Units	Mx	My	Mz	Units
Capacity	222	222	445	N	11	11	5.6	N-m
Sensitivity	5.4	5.4	1.35	µv/v-lb	266	266	213	µv/v-in-lb
Natural frequency	-	-	-	Hz	-	-	-	Hz
Stiffness (X 10^5)	21.04	21.04	298	N/m	-	-	0.0226	N-m/rad
Resolution	*To determine the resolution of your system, please use our* ***Output Calculator.***							

Published specifications subject to change without notice.

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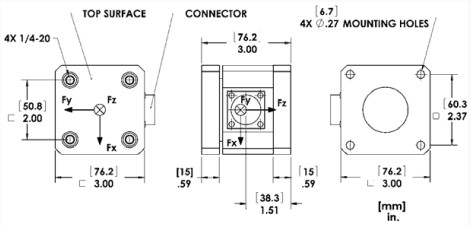
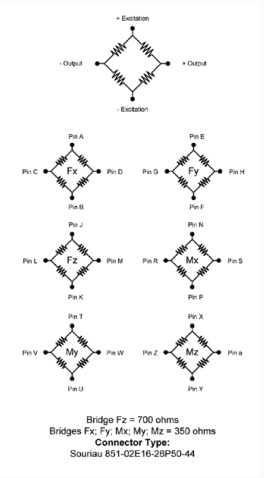
TECHNICAL DRAWINGS

Footprint Drawing (click on image to enlarge)



Electrical Drawing (click on image to enlarge)



MC3-SSUDW-250 SPECIFICATIONS

Channel	Fx	Fy	Fz	Units	Mx	My	Mz	Units
Capacity	556	556	1112	N	28	28	14	N-m
Sensitivity	2.16	2.16	0.54	µv/v-lb	106.3	106.3	85.02	µv/v-in-lb
Natural frequency	-	-	-	Hz	-	-	-	Hz
Stiffness (X 10^5)	52.6	52.6	745	N/m	-	-	0.0565	N-m/rad
Resolution	*To determine the resolution of your system, please use our* ***Output Calculator.***							

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MC3-SSUDW-500 SPECIFICATIONS

Channel	Fx	Fy	Fz	Units	Mx	My	Mz	Units
Capacity	1112	1112	2224	N	56	56	28	N-m
Sensitivity	1.08	1.08	0.27	µv/v-lb	53.14	53.14	42.51	µv/v-in-lb
Natural frequency	-	-	-	Hz	-	-	-	Hz
Stiffness (X 10^5)	105.2	105.2	1490	N/m	-	-	0.113	N-m/rad
Resolution	*To determine the resolution of your system, please use our* ***Output Calculator.***							

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MC3-SSUDW-1000 SPECIFICATIONS

Channel	Fx	Fy	Fz	Units	Mx	My	Mz	Units
Capacity	2224	2224	4448	N	113	113	56	N-m
Sensitivity	0.54	0.54	0.135	µv/v-lb	26.57	26.57	21.25	µv/v-in-lb
Natural frequency	-	-	-	Hz	-	-	-	Hz
Stiffness (X 10^5)	210	210	2981	N/m	-	-	0.226	N-m/rad
Resolution	*To determine the resolution of your system, please use our* ***Output Calculator.***							

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